

Title (en)
HOT ROLLED SILICON STEEL PRODUCING METHOD

Title (de)
HERSTELLUNGSVERFAHREN FÜR WARMGEWALZTEN SILICIUMSTAHL

Title (fr)
PROCÉDÉ DE PRODUCTION D'ACIER AU SILICIUM LAMINÉ À CHAUD

Publication
EP 2826871 A4 20151118 (EN)

Application
EP 12871183 A 20120329

Priority

- CN 201210065610 A 20120313
- CN 2012000401 W 20120329

Abstract (en)
[origin: EP2826871A1] A hot rolled silicon steel producing method comprises: silicon steel slab heating process, rough rolling process and finish rolling process. The heating process comprises a pre-heating stage, a heating stage and a soaking stage. The pre-heating stage satisfies the following formula (1). In the formula, V_{Tp} is a temperature increasing rate, in the pre-heating stage, whose unit is $^{\circ}\text{C}/\text{min}$; t is a total heating time of the slab in the heating furnace, and $t=180\text{-}240\text{min}$; and T_c is an initial temperature when the slab is put into the furnace, whose unit is $^{\circ}\text{C}$. By using the foregoing formula, the heating process and the rough rolling process are changed, an occurrence rate of edge defects during the production of the hot rolled silicon steel can be reduced, and the hot rolled silicon steel with good surface quality can be produced. $V_{Tp} > 220 \text{ }^{\circ}\text{C} \times \text{min}^{-1} \times t \times 100 \text{ }^{\circ}\text{C} \times 200 \text{ }^{\circ}\text{C} \times \text{ }^{\circ}\text{C} \times 25 \text{ }^{\circ}\text{C} \times \text{ }^{\circ}\text{C} / \text{min}$

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Citation (search report)

- [A] KR 100273094 B1 20001201 - PO HANG IRON & STEEL [KR]
- [A] KR 20000066252 A 20001115 - PO HANG IRON & STEEL [KR]
- See references of WO 2013134897A1

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